

## Claims

- [c1] (1) An assembly that identifies the existence of a gap and wirelessly transmits a signal that is indicative of the existence of said gap.
- [c2] (2) The assembly of Claim 1 comprising a force measurement portion; and a member that is pivotally coupled to said force measurement portion.
- [c3] (3) The assembly of Claim 1 comprising a signal strength measurement portion.
- [c4] (4) The assembly of Claim 3 wherein said signal strength measurement portion comprises a transmitter; and a transceiver assembly which is communicatively coupled to said transmitter.
- [c5] (5) The assembly of Claim 2, wherein said force measurement portion comprises a strain gauge; a controller which is coupled to said strain gauge; and a transmitter assembly which is communicatively coupled to said controller.
- [c6] (6) The assembly of Claim 2, wherein said member is generally flat.
- [c7] (7)The assembly of Claim 4, wherein said transmitter and said transceiver assembly respectively comprise a radio frequency transmitter and a radio frequency transceiver assembly.
- [c8] (8)The assembly of Claim 4, wherein said transmitter and said transceiver assembly respectively comprise an infrared transmitter and an infrared transceiver assembly.
- [c9] (9) The assembly of Claim 4 further comprising a transceiver and display assembly which is communicatively coupled to said transceiver assembly.
- [c10] (10)A vehicular gap sensing assembly comprising a housing which is adapted to be placed upon a first portion of a vehicle and including a force measurement assembly having an exposed surface and a member which is pivotally coupled to said housing and which is movable from a first position to a second position in which said member contacts said exposed surface, said force measurement assembly wirelessly transmitting a signal when said member contacts said surface; and a receiver which is in communication with said force measurement

assembly and which receives said signal and creates a display based upon said received signal.

- [c1 1] (11)The vehicle gap sensing assembly of Claim 10 wherein said measurement assembly comprises a strain gauge; a controller that is coupled to said strain gauge; a transmitter that is coupled to said controller; and a battery which is coupled to said controller and to said transmitter.
- [c1 2] (12)The vehicle gap sensing assembly of Claim 10 wherein said member is generally flat.
- [c1 3] (13) A method for ascertaining the existence of a gap between two portions of a vehicle, said method comprising the steps of providing a gap measurement assembly; placing the gap measurement assembly on a first of the two portions; causing a second of the two portions to come into close proximity to the first of the two portions; creating a certain signal as said second of said two portions comes into close proximity with said first of said two portions; using said certain signal to ascertain the existence of a gap and the size of a gap; providing a data acquisition assembly; creating a second signal which is indicative of the existence and the size of a gap; and wirelessly transmitting the second signal to the data acquisition assembly.
- [c1 4] (14)The method of Claim 13 wherein said gap measurement assembly comprises a strain gauge assembly.
- [c1 5] (15)The method of Claim 13 wherein said step of causing said second of said two portions to come into close proximity to said first of said two portions comprises the step of causing said second of said two portions to abuttingly engage said first of said two portions.
- [c1 6] (16)The method of Claim 13 wherein said step of creating said certain signal comprises the step of causing said second of said two portions to create a force upon a member; and measuring said force.
- [c1 7] (17)The method of Claim 13 wherein said certain signal comprises a signal strength signal.

[c18] (18)The method of Claim 13 wherein said a first of said two portions comprise a certain portion of the frame of a vehicle and wherein said second of said two portions comprises a vehicular door.

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